

## 14217600 SWIFT RESERVOIR AT COUGAR, WA

Lower Columbia Basin  
Lewis Subbasin

LOCATION.--Lat 46°03'38", long 122°11'44" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.28, T.7 N., R.5 E., Skamania County, WA, Hydrologic Unit 17080002, at the intake structure near left bank on Swift Dam on Lewis River, 5.0 mi east of Cougar, and at mile 47.9.

DRAINAGE AREA.--481 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1958 to current year.

GAGE.--Water-stage recorder and long distance indicator in powerhouse. Datum of gage is NGVD of 1929 (levels by PacifiCorp).

COOPERATION.--Hourly elevations and capacity table furnished by PacifiCorp. Records reviewed and three inspections made by USGS.

REMARKS.--Reservoir is formed by rock and earthfill dam; storage began Sept. 29, 1958; dam completed in December 1958. Usable capacity, 446,600 acre-ft between elevations 878 ft, lower limit for economic operation, and 1,000.5 ft, maximum operating limit. Dead storage unknown. Figures given herein represent total contents. Water is used by PacifiCorp for power generation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 759,100 acre-ft, Nov. 15, 1973, elevation 1,000.77 ft; minimum contents since reservoir was first filled, 325,100 acre-ft, May 1, 1967, elevation 883.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 754,900 acre-ft, June 19, elevation 999.86 ft; minimum contents; 579,500 acre-ft, Feb. 5, elevation 958.64 ft.

MONTH-END ELEVATION AND CONTENTS AT 2400			
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007			
Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
September 30	991.09	715,300	--
October 31	975.26	647,000	-68,300
November 30	989.15	706,700	+59,700
December 31	978.73	661,600	-45,100
Calendar Year 2006	--	--	+18,600
January 31	963.23	597,800	-63,800
February 28	978.13	659,100	+61,300
March 31	996.26	738,600	+79,500
April 30	986.60	695,500	-43,100
May 31	998.52	748,800	+53,300
June 30	999.48	753,200	+4,400
July 31	996.31	738,800	-14,400
August 31	987.37	698,900	-39,900
September 30	974.65	644,500	-54,400
Water Year 2007	--	--	-70,800